25 A solid sphere has a radius of 2.8 centimetres, correct to 1 decimal place.
The sphere has a mass of $M\pi$ grams, where $M = 260$ correct to 2 significant figures.

Work out the upper bound for the density of the sphere.
Give your answer in g / cm^3 correct to 2 decimal places.
Show your working clearly.

..... g / cm^3

(Total for Question 25 is 4 marks)

TOTAL FOR PAPER IS 100 MARKS

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